

SHAPING THE FUTURE OF PEDIATRICS

20 - 22
SEPTEMBER
2017

Rome
Italy



Bambino Gesù
Children's Hospital



Bambino Gesù
OSPEDALE PEDIATRICO

SHAPING THE FUTURE OF PEDIATRICS

how technology empowers clinicians, researchers and patients

SCIENTIFIC PROGRAM

Auditorium Plenary

Satellite Room

Wednesday, September 20th - 1PM

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The-Omics and personalized medicine

Demo sessions and participant interactions

1PM - 1.15PM

Conference opening and introduction

Bruno Dallapiccola, Bambino Gesù Children's Hospital, Rome, Italy

1.15PM - 1.45PM

Undiagnosed diseases and disease gene discovery

Nicholas Katsanis, Center for Human Disease Modelling, Duke University, Durham, USA

1.45PM - 2.15PM

Gene therapy for inherited disorders

Alessandro Aiuti, San Raffaele Scientific Institute, Milan, Italy

2.15PM - 2.45PM

Personalized cancer therapy

Franco Locatelli, Bambino Gesù Children's Hospital, Rome, Italy

2.45PM - 3.15PM

COFFEE BREAK

3.15PM - 3.45PM

Microbiota for Health: Using Metagenomics in Pediatrics

Joel Dorè, French National Institute for Agricultural Research, Paris, France

3.45PM - 4.45PM

Precision or personalization? Integrating -omics in Pediatrics

Charles Auffrey, European Institute for System Biology and Medicine, Lyon, France

Anna Alisi, Bambino Gesù Children's Hospital, Rome, Italy
Stefano Gustincich, International School for Advanced Studies, Trieste, Italy
Mark Hoffman, Children's Mercy Hospital, Kansas City, USA

5PM - 7PM

WELCOME COCKTAIL

1.15PM - 1.30PM

Serious Games in Pediatrics: Examples from neuro-Rehabilitation and Cystic Fibrosis

Lucia Pannese, Imaginary, Milan, Italy

Personalized patient and family education

Lori Marshall, Inspire Global LLC, Los Angeles, USA

3D printing for surgical planning

Alessandro Inserra, Aurelio Secinaro, Luca Borro, Bambino Gesù Children's Hospital, Rome, Italy

2.45PM - 3.15PM

COFFEE BREAK

3.15PM - 4.45PM

A platform for families of patients with Dravet syndrome

Julian Isla, Dravet Syndrome Foundation, Madrid, Spain

Telemonitoring in children with cardiac implantable devices

Antonio Amodeo, Bambino Gesù Children's Hospital, Rome, Italy

Questions and free interaction with presenters

5PM - 7PM

WELCOME COCKTAIL

Big Data and Digital Integration

8AM - 8.15AM

Introduction

Liesbet Geris, Virtual Physiological Human Institute for Integrative Biomedical Research, Leuven, Belgium

8.15AM - 9.15AM

Big data in practice: a how to guide

Spyro Mousseis, Sharon Disney Lund Medical Intelligence and Innovation Institute, Orange County, USA
 Mark Peters, Great Ormond Street Hospital, London, UK
 Marisa de Rosa, CINECA, Bologna, Italy
 Cesare Furlanello, Bruno Kessler Foundation, Trento, Italy

9.15AM - 9.45AM

Images, words and data: the promises of radiomics
 Emanuele Neri, University of Pisa, Pisa, Italy
 Wiros Niessen - Erasmus MC, Rotterdam, Netherlands

 9.45AM - 10.15AM
COFFEE BREAK

10.15AM - 10.45AM

Modelling and printing in 3D for a better surgery in pediatric heart diseases

Andrew Taylor, Great Ormond Street Hospital, London, UK

10.45AM - 11.15 AM

Application of artificial intelligence in pediatrics

Anthony C Chang, CHOC Children's Hospital, Orange County, USA

11.15AM - 11.45AM

Big data or smart data? How to get advantage of remote monitoring in chronic patients

Tadej Battelino, University of Ljubljana, Ljubljana, Slovenia

 12PM - 1PM
LUNCH

The Patients and participatory medicine

1PM - 1.15PM

Introduction

Alberto Villani, Bambino Gesù Children's Hospital, Rome, Italy

1.15PM - 2PM

The role of patient communities in accelerating research and improving care

Denis Costello, EURORDIS, Barcelona, Spain
 Alastair Kent, Genetic Alliance, London, UK
 Filippo Buccella, EUPATI, Rome, Italy
 David Cole, Thinkingofoscar, UK

2PM - 2.45PM

Monitoring chronic diseases through data platforms managed by patients

Julian Isla, Dravet Syndrome Foundation, Madrid, Spain
 Ivana Schnur, Sense.ly, San Francisco, USA
 Lori Marshall, Inspire Global LLC, Los Angeles, USA
 Gianfranco Gensini, Italian Telemedicine Association, Florence, Italy

 2.45PM - 3.15PM
COFFEE BREAK

3.15PM - 4.15PM

Digital communication tools and strategies for patients and patient organizations

Lisa Gualtieri, Tufts University, Boston, USA
 Sheila Khawaja, Patient advocate, Trieste, Italy
 Roberto Ascione, Healthware International, Salerno, Italy
 Alessandro Pierobon, Ogilvy & Mather, Milan, Italy

Demo sessions and Posters and Abstracts

8.15AM - 9.45AM

Innovative techniques for pediatric surgery


Marius George Lingurar, Sheikh Zayed Institute for Pediatric Surgical Innovation, Washington, USA

Personalized telemonitoring

Ivana Schnur, Sense.ly, San Francisco, USA

Platform Design: innovation tool for National Health Systems

Luca Ruggeri, Simone Cicero

9.45AM - 10.15AM
COFFEE BREAK 

10.15AM - 11.45AM

Tracking lifestyles for preventing and treating obesity in children

Melania Manco, Bambino Gesù Children's Hospital, Rome, Italy

Questions and free interaction with presenters

12PM - 1PM
LUNCH 

1PM - 1.15PM

From research projects to innovation: perspectives in the Horizon 2020 program and other international programs

Caterina Buonocore, Agency for the Promotion of European Research, Rome, Italy


1.15PM - 2.45PM

Selected abstract presentations

Cost-effectiveness Of Whole Exome Sequencing To Solve The Unsolved: An Italian Pilot Study

Rapid Sequencing Improves The Diagnosis And Treatment Of Infants In The Nicu

Earliest Functional Signatures Of Human Gut Microbiomes Reflect Birth Model

2.45PM - 3.15PM
COFFEE BREAK 

Developing A Cognitive Hospital

Surgical Simulation For Better Patient Outcomes And Surgical Confidence

Storytime: In-home Automatic Assessment For Speech And Language Development In Young Children

The Use Of Nanotechnology To Revolutionize Cancer Treatment

4.15PM - 5.15PM

Tailoring health information to public needs: what about vaccines?

Alberto E Tozzi, Bambino Gesù Children's Hospital, Rome, Italy
Patrick Zuber, WHO Vaccine Safety, Geneva, Switzerland
Walter Quattrocchi, IMT School for Advanced Studies, Lucca, Italy
Walter Ricciardi, National Health Institute, Rome, Italy

5.15PM - 5.45PM

Who owns the data? Ethics and challenges in the era of big data

Effy Vayena, University of Zurich, Zurich, Switzerland

6PM - 7.30PM

iSPI Meeting

Invitation only

Storytime: In-home Automatic Assessment For Speech And Language Development In Young Children

The Use Of Nanotechnology To Revolutionize Cancer Treatment

 Friday, September 22nd - DAY 3
The innovation cycle in pediatrics

8AM - 8.15 AM

Introduction

Stefano Vella, Italian Medicine Agency, Rome, Italy

8.15AM - 9.15AM

OPBG Award Innovation in Pediatrics 2017 A pitch competition offering a project collaboration with Bambino Gesù Children's Hospital to start-ups involved in the development of health products

9.15AM - 10AM

From research to innovation: innovation center or innovation network?

Andrea Maggioni, Nicklaus Children's Hospital, Miami, USA
Sherry N Farrugia, Georgia Tech, Atlanta, USA
Saskia N de Wildt, Radboud University, Nijmegen, The Netherlands
Jorge Juan Fernandez Garcia, Hospital San Juan de Dèu, Barcelona, Spain

10AM - 10.30AM

Cultivating pediatric innovation ecosystems

Narendra Kini, Nicklaus Children's Hospital, Miami, USA

10.30AM - 11.15AM

The role of industry in innovation in pediatrics A panel dedicated to industries that invest in innovation in pediatrics

 11.15AM - 11.145AM
COFFEE BREAK

11.45AM - 12.30AM

Innovation in pediatrics in Italy

Giovanni Corsello, University of Palermo, Palermo, Italy
Raffaele Dallacà, Politecnico di Milano, Milan, Italy
Antonio del Vecchio, Department of Women's and Children's Health, Bari, Italy
Alberto Martini, Giannina Gaslini Institute, Genoa, Italy
Maria Luisa Ventura, San Gerardo Hospital, Monza, Italy

12.30AM - 1PM

The global perspective of pediatric innovation

Anthony C Chang, CHOC Children's Hospital, Orange County, USA

1PM - 1.15PM

OPBG Award Innovation in Pediatrics 2017 Ceremony

<http://www.mcascientificevents.eu/shapingthefuture2017/>

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 <https://www.facebook.com/Future.of.Pediatrics/>

 <https://www.linkedin.com/groups/8532742>